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TITLE:

Controller for automatic vending machine has calculating

unit which executes rearrangement program for data reallocation based on previous and new data distribution

information before control program execution

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ABSTRACTED-PUB-NO: JP2000172917A

BASIC-ABSTRACT:

NOVELTY - A rearrangement program (51) which reallocates the predetermined data based on the previous data distribution information (132) and new data distribution information (52), is stored in a memory card (5). A calculation unit executes the rearrangement program before the execution of a second control program.

DETAILED DESCRIPTION - The controller (1) <u>includes</u> an static random access memory (SRAM) (13) which stores data distribution information. The memory card which stores the rearrangement <u>program</u>, the new data distribution information, a rewriting <u>program</u> (53) and a new system <u>program</u> (54), connects to the internal bus (15) of the controller. The <u>control program</u> (121) of a flash memory (12) is rewritten into the new system <u>program</u> by executing the rewriting <u>program</u>.

USE - For automatic vending machine.

ADVANTAGE - Enables simple and flexible rewriting of <u>control program</u> for automatic vending machine since existing data distribution is not limited in

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case of production of second control program.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of automatic vending machine controller.

Controller 1

Memory card 5

Flash memory 12

SRAM 13

Internal bus 15

Rearrangement program 51

New data distribution information 52

Rewriting program 53

New system program 54

Control program 121

Previous data distribution information 132

CHOSEN-DRAWING: Dwg.1/10

DERWENT-CLASS: T01 T05

EPI-CODES: T01-F06; T01-J05A; T05-H04; T05-H08C;

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